

Date: Wed, 12 Oct 94 04:30:43 PDT
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>
Errors-To: Ham-Space-Errors@UCSD.Edu
Reply-To: Ham-Space@UCSD.Edu
Precedence: List
Subject: Ham-Space Digest V94 #288
To: Ham-Space

Ham-Space Digest Wed, 12 Oct 94 Volume 94 : Issue 288

Today's Topics:

 AEA DSP-1232 problem
 EME'ers in Seattle
 EZSAT Eastern sat passes 10/24-10/30
 EZSATS Eastern Sat Passes 10/17-10/23
 EZSATS Western passes 10/17-10/23
 EZSATS Western passes 10/24-10/30
 What are these?? (3 msgs)

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 10 Oct 94 19:58:18 PDT
From: rdhoughton@vms4.sci.csupomona.edu
Subject: AEA DSP-1232 problem

After some initial frustration, I have been able to get the STEP
function on my AEA DSP-1232 multi-mode controller to work with
modem 13 (Pacsat). Now, my question is this. While waiting
to acquire the satellite, that is *before* the DCD light is
active, the DSP unit continuously pulses the mic frequency
change line. Short of adding a switch in the freq control line
is there a way to avoid this. It seems like the STEP function
should require the modem to hear a frequency error AND hear a
carrier before it starts changing the frequency.

Additionally, when the radio (Yaesu FT-736R) transmits, if a
freq stepping pulse arrives during the short time the radio

is transmitting, the frequency is changed by 100 Hz since that is the smallest tuning increment while in the FM mode. Since the DSP unit thinks that it has stepped the VFO by 10Hz the modem jumps way off frequency. Does anyone have a workaround for this?

Thanks in advance,

Bob Houghton
KC6LVG

Date: 10 Oct 1994 22:43:04 -0400
From: micron3@aol.com (Micron3)
Subject: EME'ers in Seattle

In article <379ncu\$m47@nntp1.u.washington.edu>, edsuum@u.washington.edu (Ed Suominen) writes:

>Could anyone tell me the names and calls of active moonbouncers in the
>Seattle area? I've been mildly interested in this aspect of the hobby for
>years and would love to see some setups.

Ed,

Listen for Lionel VE7BQH and the 2 Meter EME net on Saturday mornings. I think they would start about 9 or 10AM PDT on a frequency of 14.345 MHz.

If you would like a full listing of EME capable hams call the BBS at (704) 284-4854 (I forget the name). You will find a lot of EME related stuff including the current directory there.

Good Luck,
Terry KJ7F DN-13

Date: 11 Oct 1994 06:48:13 GMT
From: dt650@cleveland.Freenet.Edu (David J. Mullenix)
Subject: EZSAT Eastern sat passes 10/24-10/30

Easy Sats East - Eastern US Satellite UTC Pass Times de N9LTD
BID: \$EZE0006
Sat Name Downlink Signals and Frequencies Date of Elements
MIR FM Voice and Packet 145.550 MHz 07Oct

OSCAR-21 *FM Voice Repeater, Packet Telemetry, WEFAX Pics 145.987 MHz 050ct
 RS-10/11 *CW/SSB 29.360-29.400 MHz Beacons:29.357 + 29.403 MHz 060ct
 RS-12/13 *CW/SSB 29.410-29.450 MHz Beacons:29.407 + 29.453 MHz 070ct
 DOVE *Standard 1200 baud Packet telemetry & messages 145.825 MHz 070ct
 AO-27 *OCCASIONAL FM RPTR! Input: 145.850 Output: 436.800 MHZ 030ct

Mon 24 Oct 94

| | | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|--------|
| MIR | 00:47h | 02:25i | 04:02i | 05:39f | 07:15h | 22:15g | 23:51f |
| OSCAR-21 | 05:49g | 07:34E | 09:25I | 16:47h | 18:32D | 20:20I | |
| RS-10/11 | 05:09h | 06:54C | 08:42I | 17:00i | 18:39e | 20:26G | |
| RS-12/13 | 07:07i | 08:50e | 10:36G | 20:36h | 22:19C | | |
| DOVE | 02:54h | 04:31A | 06:13I | 15:10i | 16:45f | 18:25G | |
| AO-27 | 01:29i | 03:03f | 04:43G | 15:19h | 16:58D | 18:40I | |

Tue 25 Oct 94

| | | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|--------|
| MIR | 01:29i | 03:07i | 04:43g | 06:19e | 07:57i | 21:20h | 22:55c |
| OSCAR-21 | 04:37i | 06:16e | 08:02G | 15:32i | 17:14f | 19:00G | |
| RS-10/11 | 03:56i | 05:39f | 07:25F | 17:27h | 19:09b | 20:57H | |
| RS-12/13 | 00:09I | 07:34h | 09:18b | 11:05H | 21:03f | 22:48F | |
| DOVE | 02:27i | 04:02d | 05:42H | 16:17g | 17:56E | 19:37I | |
| AO-27 | 02:37g | 04:16E | 06:01I | 14:54i | 16:32b | 18:12H | |

Wed 26 Oct 94

| | | | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|
| MIR | 00:33h | 02:11i | 03:47h | 05:24c | 07:00i | 20:26i | 22:00e | 23:36h |
| OSCAR-21 | 05:01h | 06:43A | 08:32H | 15:58i | 17:42c | 19:29H | | |
| RS-10/11 | 04:24i | 06:09c | 07:55H | 17:55g | 19:39E | 21:31I | | |
| RS-12/13 | 00:41I | 08:01g | 09:47E | 11:35I | 19:50i | 21:30d | 23:17H | |
| DOVE | 02:01i | 03:33g | 05:12F | 15:48i | 17:27B | 19:07I | | |
| AO-27 | 02:12h | 03:49B | 05:32I | 14:29i | 16:05e | 17:45G | | |

Thr 27 Oct 94

| | | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|--|
| MIR | 01:14i | 02:52i | 04:28f | 06:04h | 21:04g | 22:40f | |
| OSCAR-21 | 05:27g | 07:11E | 09:02I | 16:25h | 18:10D | 19:58I | |
| RS-10/11 | 04:54h | 06:39D | 08:27I | 16:44i | 18:24e | 20:10G | |
| RS-12/13 | 06:46i | 08:29e | 10:15G | 20:15h | 21:59B | 23:48I | |
| DOVE | 03:05h | 04:43C | 06:26I | 15:21i | 16:58d | 18:38H | |
| AO-27 | 01:47i | 03:23d | 05:03H | 15:39g | 17:18F | 19:00I | |

Fri 28 Oct 94

| | | | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|
| MIR | 00:18i | 01:56i | 03:32g | 05:08e | 06:47i | 20:09h | 21:44c | 23:22h |
| OSCAR-21 | 04:14i | 05:54e | 07:40G | 15:10i | 16:52f | 18:38G | | |
| RS-10/11 | 03:40i | 05:23f | 07:09G | 17:11h | 18:54A | 20:42H | | |
| RS-12/13 | 07:13h | 08:57A | 10:44H | 20:42f | 22:27F | | | |
| DOVE | 02:38i | 04:14c | 05:55H | 16:29g | 18:08F | 19:51I | | |
| AO-27 | 01:23i | 02:56f | 04:36G | 15:12h | 16:51B | 18:32I | | |

Sat 29 Oct 94

| | | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|--------|
| MIR | 01:00i | 02:37h | 04:13d | 05:50i | 19:15i | 20:49e | 22:25h |
| OSCAR-21 | 04:39h | 06:21B | 08:09H | 15:36i | 17:20c | 19:06H | |
| RS-10/11 | 04:09i | 05:53b | 07:40H | 17:39g | 19:24E | 21:16I | |
| RS-12/13 | 00:20I | 07:40g | 09:26E | 11:14I | 19:29i | 21:10d | 22:57H |
| DOVE | 02:11i | 03:45f | 05:25G | 16:00h | 17:39C | 19:20I | |
| AO-27 | 02:30h | 04:09D | 05:53I | 14:47i | 16:24d | 18:05H | |

Sun 30 Oct 94

| | | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|--------|
| MIR | 00:03i | 01:41i | 03:17f | 04:53h | 19:53g | 21:29f | 23:07i |
| OSCAR-21 | 05:05g | 06:49E | 08:40I | 16:02h | 17:47C | 19:35I | |
| RS-10/11 | 04:38g | 06:24D | 08:12I | 16:28i | 18:08d | 19:55G | |
| RS-12/13 | 06:25i | 08:08e | 09:54G | 19:55h | 21:38B | 23:27I | |
| DOVE | 03:17h | 04:55E | 06:40I | 15:32i | 17:10c | 18:50H | |
| AO-27 | 02:05i | 03:42a | 05:24I | 15:58f | 17:38G | 19:21I | |

* Polar orbits: lower case letters mean the pass is to east, upper to west
Maximum altitude above horizon: a=81-90 b=71-80 c=61-70 d=51-60 e=41-50
f=31-40 g=21-30 h=11-20 i=01-10 degrees

These satellites can be received with 2-meter or HF rigs. All times are for the start of the pass. An average pass is 10-15 minutes long. For late breaking news, listen to the EZSATS feature on 'This Week in Amateur Radio', Saturdays at 6:30 PM CDT on Galaxy 3, transponder 17, 5.8 MHz audio. Please ask your local repeater owners to carry TWAR. For more info: DJMULLEN@FACSTAFF.WISC.EDU or (608) 249-7130 (BBS)

Date: 11 Oct 1994 06:46:29 GMT
From: dt650@cleveland.Freenet.Edu (David J. Mullenix)
Subject: EZSATS Eastern Sat Passes 10/17-10/23

Easy Sats East - Eastern US Satellite UTC Pass Times de N9LTD

BID: \$EZE0005

| Sat Name | Downlink Signals and Frequencies | Date of Elements |
|----------|--|--|
| MIR | FM Voice and Packet | 145.550 MHz 070ct |
| OSCAR-21 | *FM Voice Repeater, Packet Telemetry, WEFAX Pics | 145.987 MHz 050ct |
| RS-10/11 | *CW/SSB 29.360-29.400 MHz | Beacons:29.357 + 29.403 MHz 060ct |
| RS-12/13 | *CW/SSB 29.410-29.450 MHz | Beacons:29.407 + 29.453 MHz 070ct |
| DOVE | *Standard 1200 baud Packet telemetry & messages | 145.825 MHz 070ct |
| AO-27 | *OCCASIONAL FM RPTR! | Input: 145.850 Output: 436.800 MHZ 030ct |

Mon 17 Oct 94

| | | | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|
| MIR | 00:52i | 02:27d | 04:04h | 05:42i | 07:19h | 08:55b | 10:32i | 23:58i |
| OSCAR-21 | 06:08h | 07:50B | 09:39I | 17:05i | 18:49b | 20:36H | | |
| RS-10/11 | 05:11i | 06:55d | 08:41G | 18:42h | 20:25C | 22:15I | | |
| RS-12/13 | 01:43I | 09:04g | 10:49E | 12:38I | 20:52i | 22:33c | | |
| DOVE | 02:58h | 04:35C | 06:18I | 15:14i | 16:50e | 18:30G | | |
| AO-27 | 01:19i | 02:52g | 04:31F | 15:08h | 16:46B | 18:27I | | |

Tue 18 Oct 94

| | | | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|--------|--|
| MIR | 01:31d | 03:08h | 04:46i | 06:23i | 07:59f | 09:36h | | |
| OSCAR-21 | 06:34g | 08:18E | 10:10I | 17:32g | 19:17D | 21:05I | | |
| RS-10/11 | 05:40h | 07:25B | 09:12I | 17:33i | 19:10f | 20:56F | 22:50I | |
| RS-12/13 | 00:20H | 07:48i | 09:32e | 11:18G | 21:18h | 23:01C | | |
| DOVE | 02:31i | 04:06d | 05:47H | 16:21g | 18:00F | 19:42I | | |

| | | | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|
| AO-27 | 02:26h | 04:04C | 05:47I | 14:42i | 16:19d | 18:00H | | |
| | | Wed 19 | Oct 94 | | | | | |
| MIR | 00:36g | 02:12f | 03:50i | 05:28i | 07:04g | 08:40e | 10:18i | 23:41h |
| OSCAR-21 | 05:21i | 07:01d | 08:47G | 16:16i | 17:59f | 19:45G | | |
| RS-10/11 | 04:29I | 06:10g | 07:55F | 09:45I | 17:58i | 19:40b | 21:28H | |
| RS-12/13 | 00:50I | 08:15h | 10:00A | 11:47H | 21:44f | 23:30F | | |
| DOVE | 02:05i | 03:38f | 05:17G | 15:53h | 17:31C | 19:12I | | |
| AO-27 | 02:00i | 03:37b | 05:19H | 15:53f | 17:33G | 19:16I | | |
| | | Thr 20 | Oct 94 | | | | | |
| MIR | 01:16c | 02:54h | 04:32i | 06:09h | 07:45c | 09:22i | 22:48i | |
| OSCAR-21 | 05:46h | 07:28B | 09:17H | 16:43i | 18:27b | 20:13H | | |
| RS-10/11 | 04:56i | 06:40d | 08:26H | 18:26h | 20:10D | 22:00I | | |
| RS-12/13 | 01:22I | 08:43g | 10:28E | 12:17I | 20:31i | 22:12d | 23:59H | |
| DOVE | 03:10h | 04:48D | 06:31I | 15:25i | 17:02d | 18:42H | | |
| AO-27 | 01:36i | 03:11e | 04:51G | 15:27h | 17:06D | 18:47I | | |
| | | Fri 21 | Oct 94 | | | | | |
| MIR | 00:21d | 01:58h | 03:36i | 05:13i | 06:49f | 08:26h | 23:26g | |
| OSCAR-21 | 06:12g | 07:56E | 09:48I | 17:09h | 18:55D | 20:43I | | |
| RS-10/11 | 05:25h | 07:10B | 08:57I | 17:17i | 18:55f | 20:41G | 22:37I | |
| RS-12/13 | 07:28i | 09:11e | 10:57G | 20:57h | 22:40C | | | |
| DOVE | 02:42i | 04:19b | 06:00H | 16:33g | 18:13G | 19:56I | | |
| AO-27 | 02:44g | 04:23F | 06:10I | 15:01i | 16:39a | 18:20H | | |
| | | Sat 22 | Oct 94 | | | | | |
| MIR | 01:02f | 02:40i | 04:17i | 05:54g | 07:30e | 09:08i | 22:31h | |
| OSCAR-21 | 04:59i | 06:38e | 08:25G | 15:54i | 17:37f | 19:23G | | |
| RS-10/11 | 04:12i | 05:54f | 07:40F | 09:31I | 17:42i | 19:24b | 21:13H | |
| RS-12/13 | 00:29I | 07:54h | 09:39B | 11:26H | 21:24f | 23:09F | | |
| DOVE | 02:15i | 03:50f | 05:30G | 16:05h | 17:43D | 19:25I | | |
| AO-27 | 02:19h | 03:56C | 05:40I | 14:36i | 16:12e | 17:52H | | |
| | | Sun 23 | Oct 94 | | | | | |
| MIR | 00:06c | 01:43h | 03:21i | 04:58h | 06:34b | 08:11i | 21:37i | 23:10d |
| OSCAR-21 | 05:23h | 07:06A | 08:54H | 16:20i | 18:04b | 19:51H | | |
| RS-10/11 | 04:40i | 06:24c | 08:11H | 18:10g | 19:55D | 21:45I | | |
| RS-12/13 | 01:01I | 08:22g | 10:07E | 11:56I | 20:10i | 21:51d | 23:38H | |
| DOVE | 03:21g | 05:00E | 06:45I | 15:37i | 17:14b | 18:55H | | |
| AO-27 | 01:54i | 03:30c | 05:11H | 15:46g | 17:25F | 19:08I | | |

* Polar orbits: lower case letters mean the pass is to east, upper to west
Maximum altitude above horizon: a=81-90 b=71-80 c=61-70 d=51-60 e=41-50
f=31-40 g=21-30 h=11-20 i=01-10 degrees

These satellites can be received with 2-meter or HF rigs. All times are for the start of the pass. An average pass is 10-15 minutes long. For late breaking news, listen to the EZSATS feature on 'This Week in Amateur Radio', Saturdays at 6:30 PM CDT on Galaxy 3, transponder 17, 5.8 MHz audio. Please ask your local repeater owners to carry TWAR. For more info: DJMULLEN@FACSTAFF.WISC.EDU or (608) 249-7130 (BBS)

Date: 11 Oct 1994 06:48:22 GMT
From: dt650@cleveland.Freenet.Edu (David J. Mullenix)
Subject: EZSATS Western passes 10/17-10/23

Easy Sats West - Western US Satellite UTC Pass Times de N9LTD

BID: \$EZW0005

| Sat Name | Downlink Signals and Frequencies | Date of Elements |
|----------|---|-----------------------------------|
| MIR | FM Voice and Packet | 145.550 MHz 070ct |
| OSCAR-21 | *FM Voice Repeater, Packet Telemetry, WEFAX Pics | 145.987 MHz 050ct |
| RS-10/11 | *CW/SSB 29.360-29.400 MHz | Beacons:29.357 + 29.403 MHz 060ct |
| RS-12/13 | *CW/SSB 29.410-29.450 MHz | Beacons:29.407 + 29.453 MHz 070ct |
| DOVE | *Standard 1200 baud Packet telemetry & messages | 145.825 MHz 070ct |
| AO-27 | *OCCASIONAL FM RPTR! Input: 145.850 Output: 436.800 MHz | 030ct |

Mon 17 Oct 94

| | | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|--------|
| MIR | 02:25h | 04:00d | 05:37h | 07:15i | 08:52g | 10:28e | 12:05i |
| OSCAR-21 | 07:52g | 09:36E | 11:27I | 18:49h | 20:34D | 22:21I | |
| RS-10/11 | 06:55h | 08:40A | 10:27H | 20:26f | 22:11F | | |
| RS-12/13 | 01:37G | 09:05i | 10:48e | 12:34G | 22:35h | | |
| DOVE | 04:38g | 06:16E | 08:02I | 16:52i | 18:30b | 20:10H | |
| AO-27 | 02:57i | 04:32e | 06:13H | 16:47h | 18:26E | 20:08I | |

Tue 18 Oct 94

| | | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|---------------|
| MIR | 01:31i | 03:04d | 04:41h | 06:19i | 07:56h | 09:32c | 11:09h |
| OSCAR-21 | 06:39i | 08:18e | 10:05G | 17:33i | 19:16f | 21:02F | |
| RS-10/11 | 00:04I | 05:44I | 07:24g | 09:10E | 10:59I | 19:14i | 20:56c 22:43H |
| RS-12/13 | 00:18B | 02:07H | 09:32h | 11:16b | 13:03H | 23:02g | |
| DOVE | 04:10h | 05:47B | 07:30I | 16:25i | 18:01f | 19:41G | 21:24I |
| AO-27 | 02:33i | 04:06g | 05:45F | 07:32I | 16:21i | 18:00A | 19:40H |

Wed 19 Oct 94

| | | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|--------|
| MIR | 00:38i | 02:09g | 03:45g | 05:23h | 07:01h | 08:37f | 10:13g |
| OSCAR-21 | 07:04h | 08:46a | 10:34H | 17:59i | 19:44c | 21:30H | |
| RS-10/11 | 06:10i | 07:54d | 09:41G | 19:42h | 21:26C | 23:15I | |
| RS-12/13 | 00:47E | 02:38I | 09:59g | 11:45D | 13:33I | 21:49i | 23:29d |
| DOVE | 03:43i | 05:18d | 06:59H | 17:32h | 19:11E | 20:53I | |
| AO-27 | 03:40h | 05:18C | 07:01I | 15:56i | 17:33d | 19:13H | |

Thr 20 Oct 94

| | | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|--------|
| MIR | 01:14h | 02:50d | 04:27h | 06:05i | 07:41g | 09:18e | 10:55i |
| OSCAR-21 | 07:29g | 09:14E | 11:04I | 18:26h | 20:11C | 21:59I | |
| RS-10/11 | 06:39h | 08:24A | 10:11H | 18:33i | 20:11f | 21:56F | 23:49I |
| RS-12/13 | 01:16G | 08:44i | 10:27e | 12:13G | 22:14h | 23:57B | |
| DOVE | 03:16i | 04:50g | 06:29F | 17:04i | 18:42B | 20:23H | |
| AO-27 | 03:15i | 04:51c | 06:33H | 17:06g | 18:46F | 20:28I | |

Fri 21 Oct 94

| | | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|---------------|
| MIR | 00:20i | 01:54c | 03:31h | 05:09i | 06:46h | 08:22c | 09:59h 23:28i |
| OSCAR-21 | 06:17i | 07:56e | 09:42G | 17:11i | 18:54f | 20:39F | |
| RS-10/11 | 05:27i | 07:09g | 08:55E | 10:44I | 18:59i | 20:40c | 22:28H |

| | | | | | | | |
|---------------|--------|--------|--------|--------|--------|--------|---------------|
| RS-12/13 | 01:46H | 09:11h | 10:55a | 12:42H | 22:41g | | |
| DOVE | 04:22h | 05:59D | 07:43I | 16:36i | 18:13e | 19:53H | |
| AO-27 | 02:50i | 04:25e | 06:05G | 16:40h | 18:19D | 20:00I | |
| Sat 22 Oct 94 | | | | | | | |
| MIR | 00:59g | 02:35g | 04:13h | 05:50h | 07:26f | 09:03g | |
| OSCAR-21 | 06:41h | 08:23a | 10:11H | 17:37i | 19:21c | 21:08H | |
| RS-10/11 | 05:55i | 07:39d | 09:25G | 19:26h | 21:10D | 23:00I | |
| RS-12/13 | 00:26E | 02:17I | 09:38g | 11:24D | 13:12I | 21:28i | 23:08d |
| DOVE | 03:54i | 05:30c | 07:12H | 17:44g | 19:24F | 21:06I | |
| AO-27 | 02:27I | 03:59g | 05:38E | 07:23I | 16:14i | 17:52b | 19:33H |
| Sun 23 Oct 94 | | | | | | | |
| MIR | 00:04h | 01:39d | 03:17h | 04:54i | 06:31g | 08:07d | 09:45i 23:10i |
| OSCAR-21 | 07:07g | 08:51E | 10:42I | 18:04h | 19:49C | 21:36I | |
| RS-10/11 | 06:24h | 08:09B | 09:56I | 18:17i | 19:55f | 21:41F | 23:34I |
| RS-12/13 | 00:55G | 08:23i | 10:06e | 11:52G | 21:54h | 23:36A | |
| DOVE | 03:27i | 05:02f | 06:41G | 17:16h | 18:54C | 20:35I | |
| AO-27 | 03:33h | 05:11B | 06:54I | 15:49i | 17:26e | 19:06G | |

* Polar orbits: lower case letters mean the pass is to east, upper to west
Maximum altitude above horizon: a=81-90 b=71-80 c=61-70 d=51-60 e=41-50
f=31-40 g=21-30 h=11-20 i=01-10 degrees

These satellites can be received with 2-meter or HF rigs. All times are for the start of the pass. An average pass is 10-15 minutes long. For late breaking news, listen to the EZSATS feature on 'This Week in Amateur Radio', Saturdays at 6:30 PM CDT on Galaxy 3, transponder 17, 5.8 MHz audio. Please ask your local repeater owners to carry TWAR. For more info: DJMULLEN@FACSTAFF.WISC.EDU or (608) 249-7130 (BBS)

Date: 11 Oct 1994 06:49:18 GMT
From: dt650@cleveland.Freenet.Edu (David J. Mullenix)
Subject: EZSATS Western passes 10/24-10/30

Easy Sats West - Western US Satellite UTC Pass Times de N9LTD
BID: \$EZW00006

| Sat Name | Downlink Signals and Frequencies | Date of Elements |
|----------|---|-------------------|
| MIR | FM Voice and Packet | 145.550 MHz 070ct |
| OSCAR-21 | *FM Voice Repeater, Packet Telemetry, WEFAX Pics | 145.987 MHz 050ct |
| RS-10/11 | *CW/SSB 29.360-29.400 MHz Beacons:29.357 + 29.403 MHz | 060ct |
| RS-12/13 | *CW/SSB 29.410-29.450 MHz Beacons:29.407 + 29.453 MHz | 070ct |
| DOVE | *Standard 1200 baud Packet telemetry & messages | 145.825 MHz 070ct |
| AO-27 | *OCCASIONAL FM RPTR! Input: 145.850 Output: 436.800 MHz | 030ct |

Mon 24 Oct 94

| | | | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|
| MIR | 00:44d | 02:21h | 03:58i | 05:35h | 07:11c | 08:48h | 22:17i | 23:48g |
| OSCAR-21 | 05:55i | 07:34e | 09:20G | 11:15I | 16:49i | 18:31f | 20:17F | 22:08I |

| | | | | | | | | |
|---------------|--------|--------|--------|--------|--------|--------|--------|--------|
| RS-10/11 | 05:11i | 06:54f | 08:39F | 10:29I | 18:43i | 20:25b | 22:12H | |
| RS-12/13 | 01:25H | 08:50h | 10:35a | 12:21H | 22:20g | | | |
| DOVE | 04:33g | 06:12E | 07:56I | 16:48i | 18:25c | 20:06H | | |
| AO-27 | 03:08i | 04:44c | 06:25H | 16:59g | 18:39F | 20:20I | | |
| Tue 25 Oct 94 | | | | | | | | |
| MIR | 01:24g | 03:02h | 04:40h | 06:16f | 07:52g | 22:53h | | |
| OSCAR-21 | 06:19i | 08:01b | 09:49H | 17:15i | 18:59c | 20:45H | | |
| RS-10/11 | 05:39i | 07:23c | 09:10H | 19:11g | 20:55D | 22:45I | | |
| RS-12/13 | 00:05E | 01:56I | 09:18g | 11:03D | 12:51I | 21:07i | 22:48d | |
| DOVE | 04:06h | 05:43A | 07:25I | 16:22I | 17:56f | 19:36G | 21:19I | |
| AO-27 | 02:43i | 04:18f | 05:58G | 16:33h | 18:12C | 19:53I | | |
| Wed 26 Oct 94 | | | | | | | | |
| MIR | 00:29e | 02:06h | 03:44i | 05:20g | 06:56e | 08:34i | 21:59i | 23:33c |
| OSCAR-21 | 06:45g | 08:29D | 10:19I | 17:42h | 19:27C | 21:14I | | |
| RS-10/11 | 06:08h | 07:54C | 09:41I | 18:01i | 19:40e | 21:26G | 23:20I | |
| RS-12/13 | 00:34G | 08:02i | 09:46e | 11:32G | 21:33h | 23:16A | | |
| DOVE | 03:38i | 05:14e | 06:54H | 17:28h | 19:07E | 20:48I | | |
| AO-27 | 03:52g | 05:30E | 07:15I | 16:07i | 17:45c | 19:25H | | |
| Thr 27 Oct 94 | | | | | | | | |
| MIR | 01:10h | 02:48i | 04:24h | 06:01d | 07:37h | 21:06i | 22:37g | |
| OSCAR-21 | 05:33i | 07:12f | 08:57G | 10:52I | 16:26i | 18:09f | 19:55F | 21:45I |
| RS-10/11 | 04:55i | 06:38f | 08:24F | 10:14I | 18:27i | 20:09b | 21:57H | |
| RS-12/13 | 01:04H | 08:29h | 10:14a | 12:00H | 22:00g | 23:44E | | |
| DOVE | 03:12i | 04:45g | 06:24F | 08:11I | 16:59i | 18:38b | 20:18H | |
| AO-27 | 03:26h | 05:03B | 06:46I | 15:43i | 17:18f | 18:58G | 20:41I | |
| Fri 28 Oct 94 | | | | | | | | |
| MIR | 00:14g | 01:51h | 03:29h | 05:05f | 06:41g | 21:42h | 23:18e | |
| OSCAR-21 | 05:57i | 07:39b | 09:27H | 16:52i | 18:36c | 20:23H | | |
| RS-10/11 | 05:24i | 07:08c | 08:55H | 18:55g | 20:39E | 22:30I | | |
| RS-12/13 | 01:36I | 08:57g | 10:42D | 12:30I | 20:47i | 22:27d | | |
| DOVE | 04:17h | 05:55C | 07:38I | 16:32i | 18:09e | 19:48G | | |
| AO-27 | 03:01i | 04:37d | 06:18H | 16:52g | 18:31E | 20:13I | | |
| Sat 29 Oct 94 | | | | | | | | |
| MIR | 00:55h | 02:33i | 04:09g | 05:45e | 07:23i | 20:48i | 22:22c | 23:59h |
| OSCAR-21 | 06:23g | 08:07D | 09:57I | 17:19h | 19:04C | 20:52I | | |
| RS-10/11 | 05:53h | 07:38C | 09:26I | 17:44i | 19:24e | 21:10G | | |
| RS-12/13 | 00:14G | 07:41i | 09:25e | 11:11G | 21:12h | 22:55B | | |
| DOVE | 03:50i | 05:26c | 07:07H | 17:40g | 19:19F | 21:01I | | |
| AO-27 | 02:37i | 04:11f | 05:50F | 16:26h | 18:04B | 19:45I | | |
| Sun 30 Oct 94 | | | | | | | | |
| MIR | 01:37i | 03:13h | 04:50d | 06:26h | 19:55i | 21:26g | 23:03g | |
| OSCAR-21 | 05:11i | 06:49f | 08:35G | 10:29I | 16:04i | 17:47f | 19:32F | 21:22I |
| RS-10/11 | 04:39i | 06:23f | 08:09F | 18:11h | 19:54A | 21:42H | | |
| RS-12/13 | 00:44H | 08:08h | 09:53b | 11:40H | 21:39g | 23:24E | | |
| DOVE | 03:23i | 04:57f | 06:37G | 17:11h | 18:50B | 20:31I | | |
| AO-27 | 03:45h | 05:23D | 07:07I | 16:00i | 17:38d | 19:18H | | |

* Polar orbits: lower case letters mean the pass is to east, upper to west

Maximum altitude above horizon: a=81-90 b=71-80 c=61-70 d=51-60 e=41-50
f=31-40 g=21-30 h=11-20 i=01-10 degrees

These satellites can be received with 2-meter or HF rigs. All times are for the start of the pass. An average pass is 10-15 minutes long. For late breaking news, listen to the EZSATS feature on 'This Week in Amateur Radio', Saturdays at 6:30 PM CDT on Galaxy 3, transponder 17, 5.8 MHz audio. Please ask your local repeater owners to carry TWAR. For more info: DJMULLEN@FACSTAFF.WISC.EDU or (608) 249-7130 (BBS)

Date: 11 Oct 94 17:59:44 GMT
From: Gary_Rogers@DGC.ceo.dg.COM
Subject: What are these??

Message:

Reading through the Kep lists, I keep seeing satellites that are unknown to me. In the list group "OSCAR", I see UO-11. In the list group "Micros", I see UO-14 and 22828. Under the list group "Misc.", I see POSAT and GRO. I know these last two aren't amateur satellites, but I'm curious anyway. Can anyone shed some light on these? If the first three are active, what are the up- and down-link frequencies and the operational modes?

TIA, Gary WA4YMZ Apex, NC FM05 (Gary_Rogers@DGC.ceo.dg.com)

Disclaimer: I don't speak for Data General and they don't speak for me! (Under most circumstances, including this one.)

Date: Tue, 11 Oct 1994 16:25:15 -0400
From: hrsblackwell@stars.gsfc.nasa.gov (Jim Blackwell)
Subject: What are these??

In article <9410111859.AF00021@rtp41.rtp.dg.com>, Gary_Rogers@DGC.ceo.dg.COM wrote:

> Message:

> Reading through the Kep lists, I keep seeing satellites that are
> unknown to me. In the list group "OSCAR", I see UO-11. In the list
> group "Micros", I see UO-14 and 22828. Under the list group "Misc.",
> I see POSAT and GRO. I know these last two aren't amateur
> satellites, but I'm curious anyway. Can anyone shed some light on
> these? If the first three are active, what are the up- and down-link
> frequencies and the operational modes?

>

> TIA, Gary WA4YMZ Apex, NC FM05 (Gary_Rogers@DGC.ceo.dg.com)
>

> Disclaimer: I don't speak for Data General and they don't speak for
> me! (Under most circumstances, including this one.)

Gary,

GRO is the Compton Gamma Ray Observatory. If I am not mistaken, UO is
equivalent
to RS ? 22828 is just a NORAD object number for perhaps a new satellite but I do
not know what that one is.

--

Jim Blackwell
Goddard High Resolution Spectrograph Science Support
Computer Sciences Corporation
NASA/GSFC Code 681.0
Greenbelt, MD 20771

Date: 11 Oct 1994 16:56:27 -0700
From: rdcole@crl.com (Ron Cole)
Subject: What are these??

Gary_Rogers@DGC.ceo.dg.COM wrote:

: Message:

: Reading through the Kep lists, I keep seeing satellites that are
: unknown to me. In the list group "OSCAR", I see UO-11. In the list
: group "Micros", I see UO-14 and 22828. Under the list group "Misc.",
: I see POSAT and GRO. I know these last two aren't amateur
: satellites, but I curious anyway. Can anyone shed some light on
: these? If the first three are active, what are the up- and down-link
: frequencies and the operational modes?

UO-11 UoSat is an Experimental satellite from England. There are no
Uplink Frequencies listed for this satellite. I cant seem to locate the
description of the purpose of the satellite right now. The Down link
frequencies are. 145.826, 435.025, 2401.50. I think this is a telemetry
bird with Pictures as a primary component of that data stream..

Micros are the "Microsats" these are store and forward packet satellites.

POSAT is a Comercial/Ham satellite. Most of the time it is operating in
the Comercial mode. Check 435.250 & 435.280Dn, 145.925 & 145.975Up.

UO-14 ? I don't have a listing for that satellite. There is OSCAR 21 or
RS-14 which is a regular u/V mode satellite (Mode B).

Ron

End of Ham-Space Digest V94 #288
